APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/772,621	01/30/2001	Heino Wendelrup	P12867US1	3018

			EXAMINER
27045	7590	02/28/2006	RAMPURIA, SHARAD K

ERICSSON INC.
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PLANO, TX 75024

ART UNIT	PAPER NUMBER
2688	

DATE MAILED: 02/28/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>06 December 2005</u>.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-11</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-11</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>30 January 2001</u> is/are: a)☐ accepted or b)☒ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

I.   The current office-action is in response to the amendment filed on 12/6/05.

Accordingly, Claims 1-11 are pending for further examination as follows:

Drawings

II.   Figures 1-3 should be designated by a legend such as --Prior Art-- because only that

which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37

CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application.

The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37

CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not

accepted by the examiner, the applicant will be notified and informed of any required corrective

action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

III.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on
> sale in this country, more than one year prior to the date of application for patent in the United States.

IV.   Claims 1-11 are rejected under 35 U.S.C. 102 (b) as being anticipated by **Applicant**

admitted prior art (Application No. 09/772621).

As per claim 1, Applicant admitted prior art teaches:

A module for controlling an electronic device (Fig.1, Pg.1; 9-13) comprising:

A device controller having a plurality of selectable operating modes, the operating modes

defining respective sets of operating parameters for functions of the electronic device, (2; Fig.1,

Pg.1; 13-16)

A voice detection submodule (10; Fig.1, Pg.1; 16-18) coupled to the device controller,

the submodule comprising:

An input circuit for receiving a voice signal and converting the voice signal into an

electrical signal; (10; Fig.1, Pg.1; 16-18) and

A digital signal processor coupled to the input circuit; (8; Fig.1, Pg.1; 16-18)

A multi-bus for conveying electrical signals; (connections between devices; Fig.1, Pg.1;

16-18)

A device data storage coupled via the multi-bus to the voice detection sub-module and to

the device controller, the device data storage adapted to store a library of voice tags of at least

one user of the device; (82; Fig.1, Pg.1; 19-21)

Wherein the voice detection sub-module is operable to compare an input voice signal

with the library of stored voice tags stored in the device data storage, (81; Fig.1, Pg.1; 21-26)

Wherein the device controller is adapted to output a control signal to the electronic device

on the basis of the comparison by the voice detection submodule, (Pg.1; 26-Pg.2; 1)

Wherein each operating mode of the electronic device has an associated library of stored

voice tags for use by the voice detection sub-module when the operating mode concerned is

selected, (i.e. Another feature of some electronic devices, most notably mobile telephones and

mobile companions/organisers, is the provision of preferred operating modes in which groups of

operating parameters of the device can be set simply by choosing the appropriate operating

mode, or "profile". For example, for a mobile telephone, different parameters can be set for use

in a meeting compared to those required for use in a car. Examples of typical profiles for a

mobile telephone are: Normal (default), Meeting, In Car, Outdoors, Portable Hands-free, and

Home. Typical settings for the various profiles are shown in FIG. 3; 62; Fig.1, Pg.2; 14-26) and

Wherein the stored voice tags comprise profile data correlated to different operating

modes. (i.e. In the device shown in FIG. 1, data relating to the various operating modes are

stored in a profiles data area 61 of the device data storage 6, and are recalled by the controller

2;61; Fig.1, Pg.2; 14-34)

As per claim 2, Applicant admitted prior art teaches:

A module for controlling an electronic device (Fig.1; Pg.1; 9-13)

At least a device controller (2; Fig.1, Pg.1; 13-16), a digital signal processor; (8; Fig.1,

Pg.1; 16-18) and a memory for storing a plurality of selectable operating modes, (6; Fig.1, Pg.1;

26-30) each operating modes defining a set of operating parameters for functions of the

electronic device, (Pg.1; 26-Pg.2; 1)

The DSP having at least one voice activation function responsive to an input voice signal

(10; Fig.1, Pg.1; 16-18) and

The memory being adapted to store reference voice tags by at least one user of the

device. (81; Fig.1, Pg.1; 21-26)

Wherein the reference voice tags are stored in groups, each of which relates to a specific

operating mode of the device. (i.e. Another feature of some electronic devices, most notably

mobile telephones and mobile companions/organizers, is the provision of preferred operating

modes in which groups of operating parameters of the device can be set simply by choosing the

appropriate operating mode, or "profile". For example, for a mobile telephone, different

parameters can be set for use in a meeting compared to those required for use in a car. Examples

of typical profiles for a mobile telephone are: Normal (default), Meeting, In Car, Outdoors,

Portable Hands-free, and Home. Typical settings for the various profiles are shown in FIG. 3;

62; Fig.1, Pg.2; 14-34).

As per claim 3, Applicant admitted prior art teaches:

The module for controlling an electronic device (Fig.1; Pg.1; 9-13) according to claim 1

or 2, wherein the electronic device is a mobile telephone and having a voice activated dialing

function for dialing called numbers in response to a voice input from a user, the groups of

reference voice tags including references to intended called numbers. (i.e. Another feature of

some electronic devices, most notably mobile telephones and mobile companions/organizers, is

the provision of preferred operating modes in which groups of operating parameters of the device

can be set simply by choosing the appropriate operating mode, or "profile". For example, for a

mobile telephone, different parameters can be set for use in a meeting compared to those

required for use in a car. Examples of typical profiles for a mobile telephone are: Normal

(default), Meeting, In Car, Outdoors, Portable Hands-free, and Home. Typical settings for the

various profiles are shown in FIG. 3; 62; Fig.1, Pg.2; 14-34).

As per claim 4, Applicant admitted prior art teaches:

The module for controlling an electronic device (Fig.1; Pg.1; 9-13) according to claim 1 or 2, wherein the electronic device is a mobile telephone and being a mobile telephone, and wherein the reference voice signals relate to specific functions of the telephone. (Pg.1; 18-26)

As per claim 5, Applicant admitted prior art teaches:

The module for controlling an electronic device (Fig.1; Pg.1; 9-13) according to claim 1 or 2, wherein the electronic device is a mobile telephone and, being a mobile telephone, wherein at least one operating mode is defined by at least one user of the telephone, the reference signal group associated with that operating mode also being defined by the user. (Pg.2; 14-34)

As per claim 6, Applicant admitted prior art teaches:

A method of operating an electronic device (Fig.1; Pg.1; 9-13) which has a plurality of operating modes for defining operating parameters of the device, and which has at least one voice activated function, (Pg.1; 13-26)

Storing reference voice signals in groups; (81; Fig.1, Pg.1; 21-26)

Associating the said groups with respective operating modes of the electronic device. (Pg.1; 26-Pg.2; 1)

Using an associated group of reference signals for voice signal matching in a chosen operating mode, (i.e. Another feature of some electronic devices, most notably mobile telephones and mobile companions/organizers, is the provision of preferred operating modes in which

groups of operating parameters of the device can be set simply by choosing the appropriate

operating mode, or "profile". For example, for a mobile telephone, different parameters can be

set for use in a meeting compared to those required for use in a car. Examples of typical profiles

for a mobile telephone are: Normal (default), Meeting, In Car, Outdoors, Portable Hands-free,

and Home. Typical settings for the various profiles are shown in FIG. 3; 62; Fig.1, Pg.2; 14-34)

As per claim 7, Applicant admitted prior art teaches:

A method as claimed in claim 6, wherein the device is a mobile telephone. (Fig.1; Pg.1;

9-13)

As per claim 8, Applicant admitted prior art teaches:

A method as claimed in claim 7, wherein each operating mode defines a respective list of

voice references to potential dialed numbers, the voice references being compared with an input

voice signal to determine the number to be dialed by the telephone. (Pg.1; 26-Pg.2; 1)

As per claim 9, Applicant admitted prior art teaches:

The module for controlling an electronic device according to claim 1, further comprising

the device data storage adapted to store a plurality of Libraries of voice tags, wherein each

Library comprises a plurality of voice tags associated with a plurality of operating modes of the

electronic device. (i.e. Another feature of some electronic devices, most notably mobile

telephones and mobile companions/organizers, is the provision of preferred operating modes in

which groups of operating parameters of the device can be set simply by choosing the

appropriate operating mode, or "profile". For example, for a mobile telephone, different

parameters can be set for use in a meeting compared to those required for use in a car. Examples

of typical profiles for a mobile telephone are: Normal (default), Meeting, In Car, Outdoors,

Portable Hands-free, and Home. Typical settings for the various profiles are shown in FIG. 3;

62; Fig.1, Pg.2; 14-34)

As per claim 10, Applicant admitted prior art teaches:

  The module for controlling an electronic device according to claim 9, further comprising

at Least one of the plurality of operating modes of the electronic device being selected from the

group consisting of normal, meeting, in-car, outdoors, portable hands free, country time period

and home. (i.e. Another feature of some electronic devices, most notably mobile telephones and

mobile companions/organizers, is the provision of preferred operating modes in which groups of

operating parameters of the device can be set simply by choosing the appropriate operating

mode, or "profile". For example, for a mobile telephone, different parameters can be set for use

in a meeting compared to those required for use in a car. Examples of typical profiles for a

mobile telephone are: Normal (default), Meeting, In Car, Outdoors, Portable Hands-free, and

Home. Typical settings for the various profiles are shown in FIG. 3; 62; Fig.1, Pg.2; 14-34)

As per claim 11, Applicant admitted prior art teaches:

  The module for controlling an electronic device according to claim 9, wherein the

plurality of operating modes comprise at Least normal, meeting, in-car, outdoors, portable hands

free, country time period and home. (i.e. Another feature of some electronic devices, most

notably mobile telephones and mobile companions/organizers, is the provision of preferred

operating modes in which groups of operating parameters of the device can be set simply by

choosing the appropriate operating mode, or "profile". For example, for a mobile telephone,

different parameters can be set for use in a meeting compared to those required for use in a car.

Examples of typical profiles for a mobile telephone are: Normal (default), Meeting, In Car,

Outdoors, Portable Hands-free, and Home. Typical settings for the various profiles are shown in

FIG. 3; 62; Fig.1, Pg.2; 14-34)

In addition, based on different reference as follows:

Claim Rejections - 35 USC § 102

III.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

IV.   Claims 1-11 are rejected under 35 U.S.C. 102 (e) as being anticipated by Barber (US

6198947).

As per claims 1-2, 6, Barber teaches:

A module (26; Fig.1, Col.5; 1-13, Abstract) for controlling an electronic device (12, Fig.1, Col.5; 1-13, Abstract) comprising:

A device controller having a plurality of selectable operating modes, the operating modes defining respective sets of operating parameters for functions of the electronic device, (i.e. HOME, OFFICE, MOM; Col.9; 25-52)

A voice detection submodule (12; Fig.1, Col.5; 14-31) coupled to the device controller, the submodule comprising:

An input circuit for receiving a voice signal and converting the voice signal into an electrical signal; (34; Fig.1, Col.5; 14-31) and

A digital signal processor coupled to the input circuit; (108; Fig.4, Col.6; 19-50)

A multi-bus for conveying electrical signals; (22; Fig.1, Col.5; 1-13)

A device data storage coupled via the multi-bus to the voice detection sub-module and to the device controller, the device data storage adapted to store a library of voice tags of at least one user of the device; (Col.9; 25-52)

Wherein the voice detection sub-module is operable to compare an input voice signal with the library of stored voice tags stored in the device data storage, (Col.9; 25-52)

Wherein the device controller is adapted to output a control signal to the electronic device on the basis of the comparison by the voice detection submodule, (Col.9; 25-52)

Wherein each operating mode of the electronic device has an associated library of stored voice tags for use by the voice detection sub-module when the operating mode concerned is selected, (i.e. HOME, OFFICE, MOM; Col.9; 25-52) and

Wherein the stored voice tags comprise profile data correlated to different operating modes. (i.e. HOME, OFFICE, MOM; Col.9; 25-52)

As per claim 3, Barber teaches:

The module for controlling an electronic device (Fig.1; Pg.1; 9-13) according to claim 1 or 2, wherein the electronic device is a mobile telephone and having a voice activated dialing function for dialing called numbers in response to a voice input from a user, the groups of reference voice tags including references to intended called numbers. (i.e. HOME, OFFICE, MOM; Col.9; 25-52).

As per claim 4, Barber teaches:

The module for controlling an electronic device according to claim 1 or 2, wherein the electronic device is a mobile telephone and being a mobile telephone, and wherein the reference voice signals relate to specific functions of the telephone. (i.e. muting, volume changes; Col.9; 25-52)

As per claim 5, Barber teaches:

The module for controlling an electronic device according to claim 1 or 2, wherein the electronic device is a mobile telephone and, being a mobile telephone, wherein at least one operating mode is defined by at least one user of the telephone, the reference signal group associated with that operating mode also being defined by the user. (i.e. HOME, OFFICE, MOM; Col.9; 25-52)

As per claim 7, Barber teaches:

A method as claimed in claim 6, wherein the device is a mobile telephone. (12, Fig.1,

Col.5; 1-13, Abstract)

As per claim 8, Barber teaches:

A method as claimed in claim 7, wherein each operating mode defines a respective list of

voice references to potential dialed numbers, the voice references being compared with an input

voice signal to determine the number to be dialed by the telephone. (i.e. quick dial, Col.5; 32-46)

As per claim 9, Barber teaches:

The module for controlling an electronic device according to claim 1, further comprising

the device data storage adapted to store a plurality of Libraries of voice tags, wherein each

Library comprises a plurality of voice tags associated with a plurality of operating modes of the

electronic device. (i.e. HOME, OFFICE, MOM; Col.9; 25-52)

As per claim 10, Barber teaches:

The module for controlling an electronic device according to claim 9, further comprising

at Least one of the plurality of operating modes of the electronic device being selected from the

group consisting of normal, meeting, in-car, outdoors, portable hands free, country time period

and home. (i.e. HOME, OFFICE, MOM; Col.9; 25-52)

As per claim 11, Barber teaches:

The module for controlling an electronic device according to claim 9, wherein the

plurality of operating modes comprise at Least normal, meeting, in-car, outdoors, portable hands

free, country time period and home. (i.e. HOME, OFFICE, MOM; Col.9; 25-52)

Response to Amendment

VI.   Applicant's arguments with respect to claims 1-11 have been considered but are moot in

view of the new ground(s) of rejection.

Conclusion

VII.   Applicant's amendment necessitated the new ground(s) of rejection presented in this

Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

VIII.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Sharad Rampuria whose telephone number is (571) 272-7870.

The examiner can normally be reached on M-F. (8:30-5).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, George Eng can be reached on (571) 272-7495. The fax phone number for the

organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://portal.uspto.gov/external/portal/pair. Should you have questions on access to

the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free) or *EBC@uspto.gov*.

> Sharad Rampuria
> Examiner
> Art Unit 2688

GEORGE ENG
SUPERVISORY PATENT EXAMINER